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International Specialists in the Environmental Sciences

M E M O R A N D U M

DATE: January 25, 1985

TO: Dave Dahlstrom, CSD

FROM: Andrew Hafferty, Project Manager

THRU: Tom Tobin, RSC *AT / 1/28/84*

SUBJ: Perimeter Inspection of Resource Recovery
Uncontrolled Hazardous Waste Site

REF: TDD R10-8410-14

CC: Don Zelazny
Bill Carberry

The EPA has tasked E&E, Seattle to plan and conduct a Tier 2A Dioxin field investigation of Resource Recovery Corporation's hazardous waste site.

Hazardous wastes were accepted between 1972 and 1974 at this site, which is only a small portion of a larger currently operating sanitary landfill.

Drums of 2,4-D and MCPA tar were buried in pits. Waste acids, chlor-alkali sludges, paints, and wood treatment wastes were held in ponds till evaporation of water content was complete. All pits were covered with soil, then plastic liners, and capped with additional soil. The RR disposal areas are currently marked off. A table listing wastes and a site map are attached.

The objective of this visit is to complete a perimeter check and note first hand any site conditions which could have a bearing on sampling and safety during the Tier 2A study. We will be within landfill boundaries, but not physically on the Resource Recovery site. L. Dietrich, owner and operator of the landfill will accompany us on our inspection.



ECOLOGY AND ENVIRONMENT, INC.
FIELD INVESTIGATION TEAM
SITE SAFETY PLAN
MODIFIED FOR PA/SI EVALUATIONS

A. GENERAL INFORMATION

SITE: Resource Recovery TDD NO: R10-8410-14
SITE CONTACT: L. Dietrich PHONE: (509) 547-4802 WSTS NO: WA 0280
LOCATION: Pasco Sanitary Landfill, Kahlotus Road & Highway 12, Pasco, WA 99301
PLAN PREPARED BY: Andrew Hafferty DATE: January 21, 1985
APPROVED BY: Thomas A. Polon, RSC DATE: 1-28-85
OBJECTIVE(S): Perimeter site inspection of Resource Recovery prior to Tier 2A
Dioxin Sampling. Team will do photo documentation survey.
PROPOSED DATE OF INVESTIGATION: January 29, 1985

TEAM MEMBER

RESPONSIBILITY

<u>Andrew Hafferty</u>	<u>Team Leader/Site Safety Officer</u>
<u>Bill Carberry</u>	<u>Logbook/camera</u>

BACKGROUND REVIEW: COMPLETE: X PRELIMINARY:

B. SITE/WASTE CHARACTERISTICS

FACILITY DESCRIPTION: Resource Recovery, which operated this site between 1972 and 1974 (when all hazardous wastes operations ceased) accepted possible dioxin contaminated materials. These wastes were buried in designated areas within the boundaries of the Pasco Sanitary Landfill, which is still in operation.

C. HAZARD EVALUATION

E&E personnel will enter Pasco Sanitary Landfill but NOT the former Resource Recovery site. The purpose of this visit is to observe first hand the terrain and site character in preparation for a full field investigation

D. SITE SAFETY WORK PLAN

PERSONAL PROTECTION

LEVEL OF PROTECTION: A B C D X

MODIFICATIONS: Butyl boots, tyvecs, hardhats, butyl rubber gloves with disposable gloves (optional).

DECONTAMINATION PROCEDURES: Boots will be wiped at site; disposable clothing will be left on-site.

E. EMERGENCY INFORMATION

LOCAL RESOURCES

AMBULANCE To be completed before entrance POLICE local - 911 (545-3421)
HOSPITAL EMERGENCY ROOM on-site FIRE DEPT. local - 911

TABLE 4.1
WASTE QUANTITIES DISPOSED OF
AT PSL BY RRC

Location(5)	Description(7) (Size*/Lining)	Waste Type(2,8)	Estimated Quantity (2,5,8)	Units
Site A	100'x100' bottom unlined top lined	acids	544	drums
		aromatic tars	160-248	drums
		carcinogenics (unspecified)	9	drums
		caustics	8,774	drums
		cedium	11	drums
		metal finishing	244-304	drums
		oil sludge	433	drums
		paint	10,258-24,200	drums
		pesticides	425	drums
		pesticide containers (empty)	791-863	drums
Site B	50'x50' bottom unlined top lined	2,4-D manufacturing	2,011-5,080	drums
Site C	75'x75' bottom unlined top lined	acids	7,000	gallons
		acid metal cleaning	2,301,560	pounds
		lime phenol	684,967	gallons
		metal cleaning	185,162	gallons
		metal finishing	17,000-35,724	gallons
		metal finishing	1,460,602-1,949,652	pounds
Site D	75'x75' bottom unlined top lined	aromatic tar	499,270	pounds
		cutting oil	76,350-84,300	gallons
		fertilizer manufacturing	228,288	pounds
		oily sludge	6,000-66,340	gallons
		paint	72,475-497,418	pounds
		paint	66,516-95,711	gallons
		plywood resin	1,393,380-2,215,440	pounds
		solvents	12,648	gallons
Site E	unknown bottom and top lined	barium with mercury	10,500-11,582	tons
Unknown	unknown	acid sludges	1,000	gallons
		acid wash solution	312,350	pounds
		benzoic acid and tar	176,000	pounds
		chemistry lab reagents	1	drum
		chrome rinse water	700,901	pounds
		DCP tar	8,790	gallons
		etching solution	1,914	barrels
		lime sludge	80-160	drums
		MCPA bleed	104,318-327,000	gallons
		MCPA tar	2,965-3,037	drums
			939	drums
			2,813	barrels
			680	pails
		metal casing wastes	3,300-5,760	drums
		misc. lab chemicals	29	sm. containers
		NH ₄ ⁺ and NaOH		
		chemical solutions	17,238	gallons
		oily sludge	166,680	pounds
		other miscellaneous	435	drums
		pesticide containers	1,045	each
		resin manufacturing	392,553	gallons
		solid caustic soda	44,550	pounds
		wood treatment/preservative	294,662	gallons
			238	drums

*The depths of the burial sites are unknown. All linings are 4 mil polyethylene and all sites are covered with soil.

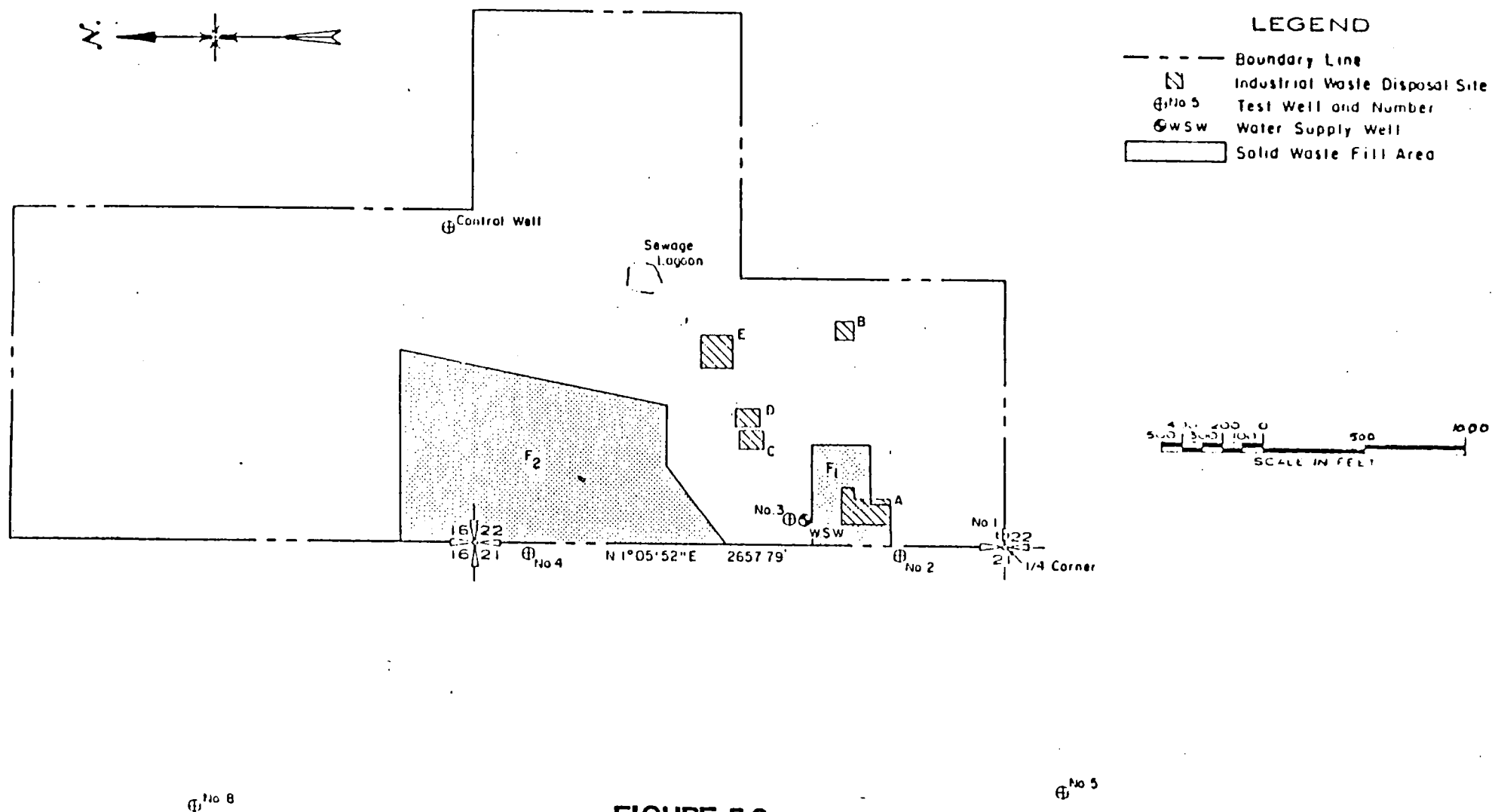


FIGURE 5.2
PASCO SANITARY LANDFILL
WASTE DISPOSAL AND WELL LOCATIONS(5)